

## **APPENDIX B**

### **SI DATA SUMMARY**

The investigator may use the SI Data Summary to compile analytical data and non-sampling information concerning the site. The Data Summary can be a checklist to:

- Summarize previous and newly-collected information
- Identify factors that have not been fully evaluated
- Focus additional data collection efforts

A completed SI Data Summary may facilitate entering data into PREscore or other SI scoring and HRS documentation tools.

Responses on the SI Data Summary need not be typed; legible handwriting is acceptable.

The Data Summary is not a mandatory requirement for SI reporting; EPA Regional guidelines may recommend using other mechanisms to summarize information collected during the SI or to compile previous information about the site.

SI Data Summary entries marked with an asterisk (\*) are optional during a focused SI. For pathways investigated during an expanded SI, all Data Summary entries should be completed.

If necessary, continuation pages to summarize additional analytical results should be photocopied and included with the Data Summary. A sample location map should be provided or referenced for all analytical results.

The last page of the Data Summary may be used to describe additional site information regarding a specific data element. In addition, this page may be used to describe or summarize site information that has not been collected, is not available, or is not well documented.

SI Data Summary

Site Name \_\_\_\_\_

Site Name \_\_\_\_\_ EPA Region \_\_\_\_\_ Date \_\_\_\_\_

Contractor Name or State Office and Address \_\_\_\_\_

<b>GENERAL SITE INFORMATION</b>
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1. CERCLIS ID No. \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Congressional District \_\_\_\_\_

2. Owner name \_\_\_\_\_ Operator name \_\_\_\_\_

Owner address \_\_\_\_\_ Operator address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

3. Type of ownership (check all that apply):

☐ Private ☐ Federal/Agency \_\_\_\_\_ ☐ State ☐ County ☐ Municipal  
☐ Other \_\_\_\_\_ Reference(s) \_\_\_\_\_

4. Approximate size of property: \_\_\_\_\_ acres Reference(s) \_\_\_\_\_

5. Latitude \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_" Longitude \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_" Reference(s) \_\_\_\_\_

6. Site status: ☐ Active ☐ Inactive ☐ Unknown Reference(s) \_\_\_\_\_

7. Years of operation: From: \_\_\_\_\_ to: \_\_\_\_\_ ☐ Unknown Reference(s) \_\_\_\_\_

8. Previous Investigations:

Type	Agency/State/Contractor	Date	
_____	_____	_____	Reference(s) _____
_____	_____	_____	Reference(s) _____
_____	_____	_____	Reference(s) _____
_____	_____	_____	Reference(s) _____
_____	_____	_____	Reference(s) _____
_____	_____	_____	Reference(s) _____

<b>WASTE SOURCE INFORMATION</b>
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**1. Waste source types** (check all that apply)

- ☐ Constituent
- ☐ Wastestream (type) \_\_\_\_\_
- ☐ Landfill
- ☐ Drums
- ☐ Contaminated soil
- ☐ Land treatment
- ☐ Tanks or non-drum containers (type) \_\_\_\_\_
- ☐ Pile (type) \_\_\_\_\_
- ☐ Surface impoundment (buried)
- ☐ Surface impoundment (backfilled)
- ☐ Other \_\_\_\_\_

Reference(s) \_\_\_\_\_

**2. Types of wastes** (check all that apply)

- ☐ Organic chemicals
- ☐ Inorganic chemicals
- ☐ Municipal wastes
- ☐ Radionuclides
- ☐ Metals
- ☐ Pesticides/Herbicides
- ☐ Solvents
- ☐ Other \_\_\_\_\_

Reference(s) \_\_\_\_\_

**3. Summarize history of waste disposal operations:**

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Reference(s) \_\_\_\_\_

**SI Data Summary**

Site Name \_\_\_\_\_

**4. Source characterization** (Attach pages to show quantity and calculations.)

Source 1 name: \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source 1:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

Source 2 name: \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of Source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source 2:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

SI Data Summary

Site Name \_\_\_\_\_

CONTINUATION PAGE FOR SOURCE CHARACTERIZATION

Source # \_\_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

Source # \_\_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

## SI Data Summary

Site Name **Ross Adams Uranium Mine**

## CONTINUATION PAGE FOR SOURCE CHARACTERIZATION

Source # \_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

Source # \_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

SI Data Summary

Site Name **Ross Adams Uranium Mine**

CONTINUATION PAGE FOR SOURCE CHARACTERIZATION

Source # \_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

Source # \_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

SI Data Summary

Site Name **Ross Adams Uranium Mine**

CONTINUATION PAGE FOR SOURCE CHARACTERIZATION

Source # \_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_

Source # \_\_\_\_ Name \_\_\_\_\_ Source type \_\_\_\_\_

Describe source: \_\_\_\_\_

Ground water migration containment: \_\_\_\_\_

Surface water migration containment: \_\_\_\_\_

Air migration (gas and migration) containment: \_\_\_\_\_

Physical state of wastes: ☐ Liquid ☐ Solid ☐ Sludge/Slurry ☐ Gas ☐ Unknown

Constituent quantity of hazardous substances: \_\_\_\_\_ (specify units)

Wastestream quantity containing hazardous substances: \_\_\_\_\_ (specify units)

Volume of source (yd<sup>3</sup>): \_\_\_\_\_ Area of source (ft<sup>2</sup>): \_\_\_\_\_

Hazardous substances associated with source # \_\_\_\_:

_____	_____	_____
_____	_____	_____
_____	_____	_____

Reference(s) \_\_\_\_\_



## SI Data Summary

Site Name \_\_\_\_\_

## 5. Description of removal or remedial activities

If a removal has occurred, identify the removal authority and describe the activities. Specify the date(s) of the removal.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Reference(s) \_\_\_\_\_

<b>GROUND WATER INFORMATION</b>
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**1. Ground water drinking water use within 4 miles of site sources:**☐ Municipal   ☐ Private   ☐ Both   ☐ No Drinking Water Use

Reference(s) \_\_\_\_\_

**2. Is ground water contaminated?**☐ Yes   ☐ No   ☐ Uncertain but likely   ☐ Uncertain but not likely☐ Additional sampling requiredIs analytical evidence available?   ☐ Yes   ☐ No   Reference(s) \_\_\_\_\_**3. Is ground water contamination attributable to the site?**☐ Yes   ☐ No   ☐ Additional sampling required   Reference(s) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**4. Are drinking water wells contaminated?**☐ Yes   ☐ No   ☐ Uncertain but likely   ☐ Uncertain but not likely☐ Additional sampling requiredIs analytical evidence available?   ☐ Yes   ☐ No   Reference(s) \_\_\_\_\_**5.\* Net precipitation (HRS Section 3.1.2.2):** \_\_\_\_\_ inches   Reference(s) \_\_\_\_\_**6. County average number of persons per residence:** \_\_\_\_\_ Reference(s) \_\_\_\_\_**7. Discuss general stratigraphy underlying the site. Attach sketch of stratigraphic column.**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Reference(s) \_\_\_\_\_

**8. Using Table GW-1 (next page), summarize geology underlying the site (starting with formation #1 as closest to ground surface). Indicate if formation is interconnected with overlying formation.**

TABLE GW-1: SITE GEOLOGY

NAME OF FORMATION	INTER-CONNECT? (yes/no)	TYPE OF MATERIAL	AVERAGE THICKNESS (FEET)	HYDRAULIC CONDUCTIVITY (CM/SEC)	USED FOR DRINKING WATER?
1.					
2.					
3.					
4.					
5.					
6.					

Reference(s) \_\_\_\_\_

9. Does a karst aquifer underlie any site source?

☐ Yes ☐ No

Reference(s) \_\_\_\_\_

10. Depth to top of aquifer: \_\_\_\_\_ feet Elevation: \_\_\_\_\_ Reference(s) \_\_\_\_\_

11. In the table below, enter the number of people obtaining drinking water from wells located within 4 miles of the site. For each aquifer, attach population calculation sheets. Key aquifer to formations listed in Table GW-1.

POPULATION SERVED BY WELLS WITHIN DISTANCE CATERGORIES BY AQUIFER

DISTANCE OF WELL(S) FROM SITE SOURCES	AQUIFER A: INCLUDES FORMATIONS _____	AQUIFER B: INCLUDES FORMATIONS _____	AQUIFER C: INCLUDES FORMATIONS _____
1/4 mile or less			
>1/4 to 1/2 mile			
>1/2 to 1 mile			
>1 to 2 miles			
>2 to 3 miles			
>3 to 4 miles			

Reference(s) \_\_\_\_\_

12. Is ground water from multiple wells blended prior to distribution?

☐ Yes ☐ No

Reference(s) \_\_\_\_\_

**SI Data Summary**

**Site Name** \_\_\_\_\_

**13. Is ground water blended with surface water?**

☐ Yes ☐ No

**Reference(s)** \_\_\_\_\_

**Briefly describe:** \_\_\_\_\_

\_\_\_\_\_

**14. Distance from any incompletely contained source available to ground water to nearest drinking water well (HRS Section 3.3.1):** \_\_\_\_\_ feet

**Reference(s)** \_\_\_\_\_

**15. Briefly describe standby drinking water wells within 4 miles of sources at the site:**

\_\_\_\_\_

\_\_\_\_\_

**Reference(s)** \_\_\_\_\_

**16. Using Table GW-2, summarize ground water analytical results for all sampling investigations. Include and identify background ground water sample results.**

**17.\* Ground water resources within 4 miles of site sources (HRS Section 3.3.3):**

☐ Irrigation (5-acre minimum) of commercial food or commercial forage crops

☐ Commercial livestock watering

☐ Ingredient in commercial food preparation

☐ Supply for commercial aquaculture

☐ Supply for major or designated water recreation area, excluding drinking water use

☐ Water usable for drinking water but no drinking water wells are within 4 miles

☐ None of the above

**Reference(s)** \_\_\_\_\_

**18. Wellhead protection area (WHPA) within 4 miles of site sources (HRS Section 3.3.4):**

☐ Source with non-zero containment factor value lies within or above WHPA

☐ Observed ground water contamination attributable to site source(s) lies within WHPA

☐ WHPA lies within 4 miles of site sources

☐ None

**Reference(s)** \_\_\_\_\_

**Additional ground water pathway description:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**References(s)** \_\_\_\_\_

**TABLE GW-2: ANALYTICAL RESULTS FOR GROUND WATER PATHWAY**

SAMPLE ID & DATE	TYPE OF WELL  <input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____	SCREENED INTERVAL	HAZARDOUS SUBSTANCE	CONCENTRATION (SPECIFY UNITS)	DETECTION LIMIT	REFERENCES
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					
	<input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Drinking water People served _____ <input type="checkbox"/> Other _____					

<b>SURFACE WATER INFORMATION</b>
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Complete this section of the data summary for each watershed if there are multiple watersheds. Photocopy this page if necessary.

1. Describe surface water migration path from site sources to at least 15 miles downstream. Attach a sketch of the surface water migration route.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reference(s) \_\_\_\_\_

2. Is surface water contaminated?

☐ Yes ☐ No ☐ Uncertain but likely ☐ Uncertain but not likely ☐ Additional sampling required

Is analytical evidence available? ☐ Yes ☐ No Reference(s) \_\_\_\_\_

3. Is surface water contamination attributable to the site?

☐ Yes ☐ No ☐ Additional sampling required Reference(s) \_\_\_\_\_

4. Floodplain category in which site sources are located (check all that apply):

☐ 1-year ☐ 10-year ☐ 100-year ☐ 500-year ☐ None Reference(s) \_\_\_\_\_

5. Describe flood containment for each source (HRS Section 4.1.2.1.2.2):

Source #1 \_\_\_\_\_ Flood containment \_\_\_\_\_

Source #2 \_\_\_\_\_ Flood containment \_\_\_\_\_

Source #3 \_\_\_\_\_ Flood containment \_\_\_\_\_

Source # \_\_\_\_\_ Flood containment \_\_\_\_\_

Source # \_\_\_\_\_ Flood containment \_\_\_\_\_

Source # \_\_\_\_\_ Flood containment \_\_\_\_\_

Source # \_\_\_\_\_ Flood containment \_\_\_\_\_

Reference(s) \_\_\_\_\_

6. Shortest overland distance to surface water from any source (HRS Section 4.1.2.1.2.1.3):

\_\_\_\_\_ feet Reference(s) \_\_\_\_\_

- 7.\* Size of drainage area (HRS Section 4.4.3): \_\_\_\_\_ Acres

Reference(s) \_\_\_\_\_

## SI Data Summary

Site Name \_\_\_\_\_

8.\* Describe predominant soil group within the drainage area (HRS Section 4.1.2.1.2.1.2).

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Reference(s) \_\_\_\_\_

9.\* 2-year 24-hour rainfall (HRS Section 4.1.2.1.2.1.2):

\_\_\_\_\_ inches

Reference(s) \_\_\_\_\_

10.\*Elevation of the bottom of nearest surface water body:

\_\_\_\_\_ feet above sea level

Reference(s) \_\_\_\_\_

11.\*Elevation of top of uppermost aquifer:

\_\_\_\_\_ feet above sea level

Reference(s) \_\_\_\_\_

12. Predominant type of water body between probable point of entry to surface water and nearest drinking water intake:

☐ River ☐ Lake

Reference(s) \_\_\_\_\_

13. Identify all drinking water intakes, fisheries, and sensitive environments within 15 miles downstream.

TARGET NAME/TYPE	WATER BODY TYPE	DISTANCE FROM PPE	FLOW (CFS)	TARGET CHARACTERISTICS <sup>1</sup>	TARGET SAMPLED?

<sup>1</sup>If target is a drinking water intake, provide number of people served by intake.

If target is a fishery, provide species and annual production of human food chain organisms (pounds per year).

If target is a wetland, specify wetland frontage (in miles). Attach calculation pages.

Reference(s) \_\_\_\_\_

14. Is surface water drinking water blended prior to distribution?

☐ Yes ☐ No

Reference(s) \_\_\_\_\_

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**15. Describe any standby drinking water intakes within 15 miles downstream.**

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Reference(s) \_\_\_\_\_

**16.\*Surface water resources within 15 miles downstream (HRS Section 4.1.2.3.3):**

- ☐ Irrigation (5-acre minimum) of commercial food or commercial forage crops
- ☐ Commercial livestock watering
- ☐ Ingredient in commercial food preparation
- ☐ Major or designated water recreation area, excluding drinking water use
- ☐ Water designated by the state for drinking water use but is not currently used
- ☐ Water usable for drinking water but no drinking water intakes within 15 miles downstream
- ☐ None of the above

Reference(s) \_\_\_\_\_

**17. Using Table SW-1, summarize surface water analytical results for all sampling investigations. Include and identify background sample results.**



**TABLE SW-1: SUMMARY OF ANALYTICAL RESULTS FOR SURFACE WATER PATHWAY**

SAMPLE ID & DATE	SAMPLE TYPE	SAMPLE OBJECTIVE	TARGET NAME	HAZARDOUS SUBSTANCE	CONCENTRATION (SPECIFY UNITS)	DETECTION LIMIT	REFERENCES
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					
	<input type="checkbox"/> Aqueous <input type="checkbox"/> Sediment <input type="checkbox"/> Other	<input type="checkbox"/> Release <input type="checkbox"/> Fishery <input type="checkbox"/> Drinking water <input type="checkbox"/> Sensitive environment Distance from PPE					

<b>SOIL INFORMATION</b>
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**1. Is surficial or soil contamination present at the site?**
☐ Yes   ☐ No   ☐ Uncertain but likely   ☐ Uncertain but not likely
☐ Additional sampling requiredIs analytical evidence available?   ☐ Yes   ☐ No

Reference(s) \_\_\_\_\_

**2. Is surficial or soil contamination attributable to the site?**☐ Yes   ☐ No   ☐ Additional sampling required**3. Is surficial contamination on the property and within 200 feet of a residence, school, daycare center, or workplace?**
☐ Yes   ☐ No   ☐ Uncertain but likely   ☐ Uncertain but not likely
☐ Additional sampling requiredIs analytical evidence available?   ☐ Yes   ☐ No

Reference(s) \_\_\_\_\_

**4.\* Total area of surficial contamination (HRS Section 5.2.1.2):**

\_\_\_\_\_ square feet

Reference(s) \_\_\_\_\_

**5.\* Attractiveness/accessibility of the areas of observed contamination (HRS Section 5.2.1.1). Check all that apply:**☐ Designated recreational area☐ Used regularly, or accessible and unique recreational area☐ Moderately accessible with some use☐ Slightly accessible with some use☐ Accessible with no use☐ Inaccessible with some use☐ Inaccessible with no use

Reference(s) \_\_\_\_\_

**6. Using Table SE-1, summarize analytical results detecting surficial contamination within 200 feet of a residence, school, daycare center, or workplace. Include and identify background sample results.****7. Using Table SE-2, summarize analytical results detecting surficial contamination within the boundary of a resource or a terrestrial sensitive environment. Include and identify background sample results if not listed in Table SE-1.****8. Population within 1-mile travel distance from site. Do not include populations from Table SE-1.**

DISTANCE FROM SITE SOURCES	POPULATION
1/4 mile or less	
>1/4 to 1/2 mile	
>1/2 to 1 mile	

Reference(s) \_\_\_\_\_

TABLE SE-1: ANALYTICAL RESULTS FOR SOIL EXPOSURE PATHWAY

SAMPLE ID & DATE	SAMPLE DEPTH	TYPE OF PROPERTY	POPULATION	HAZARDOUS SUBSTANCE	CONCENTRATION (SPECIFY UNITS)	DETECTION LIMIT	REFERENCES
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					
		<input type="checkbox"/> Residence <input type="checkbox"/> School <input type="checkbox"/> Daycare center <input type="checkbox"/> Workplace					

**TABLE SE-2: ANALYTICAL RESULTS FOR SOIL EXPOSURE PATHWAY**

<b>SAMPLE ID &amp; DATE</b>	<b>SAMPLE DEPTH</b>	<b>TYPE OF TARGET</b>	<b>HAZARDOUS SUBSTANCE</b>	<b>CONCENTRATION (SPECIFY UNITS)</b>	<b>DETECTION LIMIT</b>	<b>REFERENCES</b>
		<input type="checkbox"/> Terrestrial sensitive environment  <input type="checkbox"/> Resources* <input type="checkbox"/> Commercial agriculture <input type="checkbox"/> Commercial silviculture <input type="checkbox"/> Commercial livestock production or grazing				
		<input type="checkbox"/> Terrestrial sensitive environment  <input type="checkbox"/> Resources* <input type="checkbox"/> Commercial agriculture <input type="checkbox"/> Commercial silviculture <input type="checkbox"/> Commercial livestock production or grazing				
		<input type="checkbox"/> Terrestrial sensitive environment  <input type="checkbox"/> Resources* <input type="checkbox"/> Commercial agriculture <input type="checkbox"/> Commercial silviculture <input type="checkbox"/> Commercial livestock production or grazing				
		<input type="checkbox"/> Terrestrial sensitive environment  <input type="checkbox"/> Resources* <input type="checkbox"/> Commercial agriculture <input type="checkbox"/> Commercial silviculture <input type="checkbox"/> Commercial livestock production or grazing				

<b>AIR INFORMATION</b>
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**1. Is air contamination present at the site?**
☐ Yes ☐ No ☐ Uncertain but likely ☐ Uncertain but not likely

☐ Additional sampling required
Is analytical evidence available? ☐ Yes ☐ No

Reference(s) \_\_\_\_\_

**2. Is air contamination attributable to the site?**
☐ Yes ☐ No ☐ Additional sampling required
**3. Are populations, sensitive environments, or wetlands exposed to airborne hazardous substances released from the site?**
☐ Yes ☐ No ☐ Uncertain but likely ☐ Uncertain but not likely

☐ Additional sampling required
Is analytical evidence available? ☐ Yes ☐ No

Reference(s) \_\_\_\_\_

**4. Evidence of biogas release from any of the following source types at the site:**
☐ Below-ground containers or tanks ☐ Landfill ☐ Buried surface impoundment

Reference(s) \_\_\_\_\_

**5.\* Particulate migration potential factor value: \_\_\_\_\_ (HRS Figure 6-2)****6.\* Particulate mobility factor value: \_\_\_\_\_ (HRS Figure 6-3)****7. Distance from any incompletely contained source to nearest residence or regularly occupied area: \_\_\_\_\_ miles Reference(s) \_\_\_\_\_****8. Population within 4 miles of site sources.**

DISTANCE FROM SITE SOURCES	POPULATION
0 (within site sources)	
1/4 mile or less	
>1/4 to 1/2 mile	
>1/2 to 1 mile	
>1 to 2 miles	
>2 to 3 miles	
>3 to 4 miles	

Reference(s) \_\_\_\_\_

**9.\* Resources within 1/2 mile of site sources (HRS Section 6.3.3):**
☐ Commercial agriculture

☐ Commercial silviculture

☐ Major or designated recreation area

☐ None of the above

Reference(s) \_\_\_\_\_

**SI Data Summary**

Site Name \_\_\_\_\_

**10. Sensitive environments and wetlands within 4 miles of the site.**

NAME/DESCRIPTION/LOCATION OF SENSITIVE ENVIRONMENT OR WETLAND	DISTANCE FROM SITE (MILES)	TYPE OF SENSITIVE ENVIRONMENT	WETLAND SIZE (ACRES)

Reference(s) \_\_\_\_\_

11. **Using Table Air-1, summarize air analytical results for all sampling investigations. Include and identify background sample results.**

TABLE AIR-1: SUMMARY OF ANALYTICAL RESULTS FOR AIR PATHWAY

SAMPLE ID & DATE	SAMPLE TYPE	DISTANCE FROM SITE (MILES)	TARGET(S) WITHIN DISTANCE CATEGORY	HAZARDOUS SUBSTANCE	CONCENTRATION (SPECIFY UNITS)	DETECTION LIMIT	REFERENCES
			<input type="checkbox"/> Number of people _____ <input type="checkbox"/> Name of sens. environment _____ <input type="checkbox"/> Wetland acreage _____				
			<input type="checkbox"/> Number of people _____ <input type="checkbox"/> Name of sens. environment _____ <input type="checkbox"/> Wetland acreage _____				
			<input type="checkbox"/> Number of people _____ <input type="checkbox"/> Name of sens. environment _____ <input type="checkbox"/> Wetland acreage _____				
			<input type="checkbox"/> Number of people _____ <input type="checkbox"/> Name of sens. environment _____ <input type="checkbox"/> Wetland acreage _____				
			<input type="checkbox"/> Number of people _____ <input type="checkbox"/> Name of sens. environment _____ <input type="checkbox"/> Wetland acreage _____				
			<input type="checkbox"/> Number of people _____ <input type="checkbox"/> Name of sens. environment _____ <input type="checkbox"/> Wetland acreage _____				
			<input type="checkbox"/> Number of people _____ <input type="checkbox"/> Name of sens. environment _____ <input type="checkbox"/> Wetland acreage _____				

## SI Data Summary

Site Name \_\_\_\_\_

<p><b>ADDITIONAL INFORMATION AND COMMENTS</b></p>
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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Reference(s) \_\_\_\_\_